

addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

***Amendments***

***In the Specification:***

In accordance with M.P.E.P. § 608.01(q), Applicants submit herewith a substitute specification for the original specification filed August 12, 1999. Also attached is a redlined copy which shows the changes which are being made to the original specification. Additions are indicated by double underlining the text, and deletions are indicated by striking the text out. The substitute specification includes the same changes that are indicated in the redlined copy of the original specification. No new matter is included in the substitute specification or the preliminary amendment. Accordingly, Applicants respectfully request that the attached substitute specification be entered.

***In the Claims:***

Please substitute the following claim 39 for the pending claim 39:

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(39. (Amended) A cartridge for a liquid, which can be connected to a dispensing device, the dispensing device including an upper portion for receiving the cartridge and a lower portion which can be pushed over the cartridge when connected to the dispensing device, the upper portion of the dispensing device being provided with a

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connection portion for the cartridge and with a dispensing connection portion for drawing off the liquid, the cartridge comprising:

a stiff outer casing including a top portion and a bottom portion, the top portion of the outer casing being coupled to the upper portion of the dispensing device;

a container which is stable with respect to shape and which is disposed in the casing; and

a collapsible bag disposed in the container and containing the liquid, wherein the bottom portion of the stiff outer casing is provided with an opening, and

wherein the container includes an opening and a stopper, the stopper including an insertion connection portion which forms a sealingly closing, centered guide means for the dispensing connection portion, and

wherein the stopper is non-releasably connected by the outer casing to the container, and

wherein the cartridge is releasably connected to the connection portion on the upper portion of the dispensing device.

Please substitute the following claim 42 for the pending claim 42:

4 42. (Amended) A cartridge according to claim 29, wherein the stopper is connected to the container by means of a snap connection.

[ Please substitute the following claim 46 for the pending claim 46:

8 46. (Amended) A cartridge according to claim 39, wherein the stopper is provided at an end of the insertion connection portion with a diaphragm disposed inclinedly with respect to an axis of the insertion connection portion.

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[ Please substitute the following claim 47 for the pending claim 47: ]

9 47. (Amended) A cartridge according to claim 39, wherein a sealing disc provided with sealing beads is disposed between an upper edge of the container and an inside of the stopper.

[ Please substitute the following claim 48 for the pending claim 48: ]

10 48. (Amended) A cartridge according to claim 39, wherein an inside of the stopper is provided with a sealing lip.

[ Please substitute the following claim 57 for the pending claim 57:

21 57. (Amended) A cartridge according to claim 39, wherein a projecting bead is provided at the bottom of the stiff outer casing.

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[ Please substitute the following claim 58 for the pending claim 58: ]

23 58. (Amended) A cartridge according to claim 39, wherein the bottom of the stiff outer casing includes a recess.

[ Please substitute the following claim 59 for the pending claim 59: ]

24 ~~59~~. (Amended) A cartridge according to claim ~~58~~<sup>23</sup>, wherein the stiff outer casing is provided within the recess with an opening with a diameter of between 0.1 millimeter and 5 millimeters.

[ Please substitute the following claim 60 for the pending claim 60: ]

34 ~~60~~. (Amended) A cartridge according to claim ~~58~~<sup>23</sup>, wherein the stiff outer casing is provided within the recess with an insert including a micro-opening which communicates with the opening in the bottom of the stiff outer casing, and wherein if the micro-opening is circular in cross-section, a diameter of the circular cross-section is between 10  $\mu\text{m}$  and 500  $\mu\text{m}$  and is of a length of between 100  $\mu\text{m}$  and 5000  $\mu\text{m}$ .

[ Please substitute the following claim 61 for the pending claim 61: ]

24 ~~61~~. (Amended) A cartridge according to claim ~~60~~<sup>23</sup>, wherein the insert is provided with a filter adjacent the micro-opening.

[ Please substitute the following claim 62 for the pending claim 62: ]

16 ~~62~~. (Amended) A cartridge according to claim ~~58~~<sup>23</sup>, wherein the stiff outer casing is provided with at least one peripherally extending crease which embraces the stopper.

[ Please substitute the following claim 64 for the pending claim 64:

27 64/ (Amended) A cartridge according to claim 39, wherein an upper part of the stiff outer casing is provided with a peripherally extending groove which embraces the lower edge of the stopper.

B5 [ Please substitute the following claim 65 for the pending claim 65:

29 65/ (Amended) A cartridge according to claim 39, wherein an upper part of the stiff outer casing is provided with a flanged-over portion which embraces the upper edge of the stopper.

[ Please substitute the following claim 66 for the pending claim 66:

30 66/ (Amended) A cartridge according to claim 39, wherein the cartridge is sealed in adjacent the stopper by a diffusion-tight-sealing foil.

[ Please substitute the following claim 67 for the pending claim 67:

31 67/ (Amended) A cartridge according to claim 39, wherein an outside of the bottom of the stiff outer casing is sealed by a diffusion-tight sealing foil.

[ Please substitute the following claim 68 for the pending claim 68:

32 68/ (Amended) A cartridge according to claim 39, wherein provided in a central region of the sealing foil on the outside of the bottom of the stiff casing is a free space which is covered by the sealing foil.

Please substitute the following claim 71 for the pending claim 71:

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71. (Amended) A releasable connection between a cartridge and a dispensing device, comprising:

a connection portion disposed on an upper portion of the dispensing device;

snap hooks provided on the connection portion which engage into a peripherally extending groove in a stiff outer casing, after the casing has been pushed into the dispensing device.

[ Please substitute the following claim 72 for the pending claim 72: ]

3) 72. (Amended) A cartridge according to claim <sup>31</sup>~~67~~, wherein

an inside of the bottom of the lower portion of the dispensing device is provided with a piercing device for the sealing foil which is disposed on the outside of the bottom of the stiff outer casing.

[ Please substitute the following claim 73 for the pending claim 73: ]

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73. (Amended) A cartridge according to claim 39 for an aqueous liquid, wherein the container and the stopper comprise polypropylene, further comprising a collapsible bag of polyethylene disposed in the container, wherein:

the stiff outer casing comprises a plastic material, preferably polypropylene;

the opening in the bottom of the stiff outer casing is a bore;

an end of the insertion connection portion is closed by a diaphragm inclined with respect to an axis of the insertion connection portion and the sealingly closing, centered guide means is a press fit and is connected by a snap connection to the container;

BC the cartridge is releasably connected to the connection portion by means of a releasable plug connection, the releasable plug connection being a snap connection in which there are provided in the connection portion of the upper portion of the dispensing device snap hooks which engage into a peripherally extending groove in an upper region of the cartridge;

the bottom of the outer casing includes an inset with a micro-opening which communicates with the bore in the outer casing; and

an inside of the bottom of the lower portion of the dispensing device is provided with a resilient piercing device for a sealing foil on an underside of the bottom of the casing.

[ Please substitute the following claim 74 for the pending claim 74: ]

74. (Amended) A cartridge according to claim 39 for an alcoholic liquid, wherein the container and the stopper comprise polypropylene, further comprising a collapsible bag of polyethylene disposed in the container, wherein:

the stiff outer casing comprises a metal, preferably aluminum;

an end of the stopper is closed by a diaphragm which is inclined to an axis of the insertion connection portion;

the sealingly, closing guide means is in the form of a press fit;

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the stopper is non-releasably connected by the outer casing to the container;

B6 the releasable connection between the cartridge and the connection portion of the dispensing device is in the form of a snap connection in which there are provided in the connection portion of the upper portion of the dispensing device snap hooks which engage into a peripherally extending groove in an upper region of the cartridge;

an inside of the bottom of the lower portion of the dispensing device is provided with a resilient piercing device for a sealing foil on an underside of the bottom of the casing.

Please substitute the following claim 84 for the pending claim 84:

B7 42 ~~84~~. (Amended) Use of the cartridge according to claim ~~74~~<sup>38</sup> containing a medical liquid for producing an inhalable aerosol for treatment of illnesses.

Please substitute the following claim 85 for the pending claim 85:

43 ~~85~~. (Amended) Use of the cartridge according to claim ~~73~~<sup>34</sup> containing a medical liquid for producing an inhalable aerosol for treatment of illnesses.

Please substitute the following claim 86 for the pending claim 86:

44 ~~86~~. (Amended) Use of the cartridge according to claim ~~39~~<sup>1</sup> containing a medical liquid for producing an inhalable aerosol for treatment of illnesses.

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